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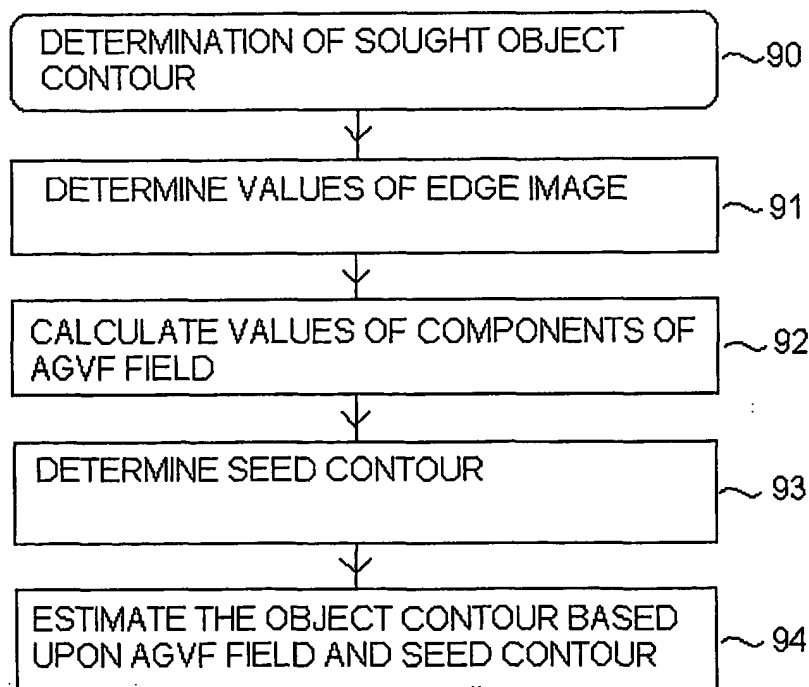
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(54) Title: METHOD AND ARRANGEMENT FOR DETERMINING AN OBJECT CONTOUR



(57) Abstract: The invention relates to a method of determining a sought object contour in a digital microscope image, which comprises a plurality of image elements and reproduces a biological material. The method is characterized by the steps of assigning edge values to at least a first subset of the image elements in the image; assigning values of a first gradient vector component whose values each comprise a first linear combination of edge values of some surrounding image elements to at least a second subset of the image elements in the image; assigning values of a second gradient vector component whose values each comprise a second linear combination of edge values of some surrounding image elements to at least a third subset of the image elements in the image; and calculating an estimate of the sought object contour based upon values of the first and the second gradient vector components.

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